



Warintorn Thitsartarn, PhD

Research Scientist, Deputy Head of Polymer Composite

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Warintorn Thitsartarn was born in Bangkok, Thailand in 1981. She graduated with a Bachelor of Science (Materials Science) with the 2nd class honors from Chulalongkorn University in 2003. She was awarded the scholarship to pursue her postgraduate study under supervision of Professor Sujitra Wongkasemjit and Professor Erdogan Gulari, and received Master of Science (Polymer Science) from The Petroleum and Petrochemical College, Chulalongkorn University in 2005. After that, she was awarded the research Ph.D. scholarship of National University of Singapore and conducted her research under the supervision of Associate Professor Sibudjing Kawi in the Department of Chemical and Biomolecular Engineering and received her Doctor of Philosophy (Chemical Engineering) in 2012.

After graduated, she joined the Institute of Materials Research & Engineering (IMRE) under the agency for science, technology and research (A*STAR) in 2012, as a research scientist.

At IMRE, Warintorn has served as project leader, co-project leader and member in IMRE Nanocomposite center of Synthesis & Integration capability groups. In 2015 - 2016, she has been appointed for deputy manager of Nanocomposite center and Nanocomposite laboratory. She was also appointed for IMRE representative for Aerospace Program of A*STAR from 2014-2016. In 2017, she has been appointed for Deputy Head of Polymer Composite of IMRE.

Her research interests are in the areas of synthesis, design and fabrication high performance nanomaterials and nanocomposites. Her expertise is in the area of material development for structural nanocomposite, conductive composite and surface functionalization and modification of nanomaterials. She is an author of many journal papers and also a co-inventor of several patents/khowhow/technical disclosures in which some patents have been licensed to companies. She has been actively participating in more than 15 projects and working with many industrials collaborators as principal investigator, co- principal investigator and members, such as Embraer, Boeing, Safran, Pratt & Whitney, Bombardier, ST Aerospace, and SCG Chemicals.